

Title (en)

DEVICE FOR MEASURING FORCE IN THE ROLLING BEARING BY MEANS OF A SENSOR LAYER

Title (de)

VORRICHTUNG ZUR KRAFTMESSUNG IM WÄLZLAGER MITTELS SENSORSCHICHT

Title (fr)

DISPOSITIF DE MESURE DE FORCE DANS UN PALIER À ROULEMENT AU MOYEN D'UNE COUCHE DE DÉTECTION

Publication

EP 3063521 A1 20160907 (DE)

Application

EP 14793013 A 20141010

Priority

- DE 102013222151 A 20131031
- DE 2014200544 W 20141010

Abstract (en)

[origin: WO2015062600A1] The invention relates to a measurement bearing (20), characterized in that the measurement bearing (20) has a rolling bearing (10), at least one force-introducing ring (7) and a space (6) for at least one sensor layer (6'), the space (6) being surrounded by the at least one force-introducing ring (7) and at least one other adjacent component (3, 5, 5', 7', 8, 9) of the measurement bearing (20).

IPC 8 full level

G01M 13/04 (2006.01); **F16C 19/00** (2006.01); **G01L 1/22** (2006.01); **G01L 5/00** (2006.01)

CPC (source: EP US)

F16C 19/522 (2013.01 - EP US); **F16C 41/00** (2013.01 - EP US); **G01L 1/2231** (2013.01 - EP US); **G01L 5/0023** (2013.01 - EP US); **G01L 5/009** (2013.01 - EP US); **G01M 13/04** (2013.01 - EP US); **F16C 19/06** (2013.01 - EP US); **F16C 19/30** (2013.01 - EP US); **F16C 2300/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2015062600A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102013222151 A1 20150430; EP 3063521 A1 20160907; EP 3063521 B1 20191009; ES 2752472 T3 20200406; US 2016282222 A1 20160929; US 9733153 B2 20170815; WO 2015062600 A1 20150507

DOCDB simple family (application)

DE 102013222151 A 20131031; DE 2014200544 W 20141010; EP 14793013 A 20141010; ES 14793013 T 20141010; US 201415033222 A 20141010